

Mineral Industry Surveys

For information, contact:

Lisa A. Corathers, Manganese Commodity Specialist
 U.S. Geological Survey
 989 National Center
 Reston, VA 20192
 Telephone: (703) 648-4973, Fax: (703) 648-7757
 E-mail: lcorathers@usgs.gov

Marc A. Angulo (Data)
 Telephone: (703) 648-7945
 Fax: (703) 648-7975
 E-mail: mangulo@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

MANGANESE IN JUNE 2007

Preliminary data (gross weight) for June 2007 indicate that consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 24,300 metric tons (t), according to the U.S. Geological Survey. This was a 29% decrease from that consumed in May 2007. Corresponding industry stocks of ore at the end of the month were 97,600 t, which was a 15% decrease from those at the end of May 2007. These data include estimates for annual

respondents on the basis of 2006 data. Domestic consumption of manganese ore during the second quarter of 2007 was 90,200 t, which was a 16% increase from that of the first quarter 2007, and an 18% decrease from that of the second quarter 2006. Domestic consumption during the first half of 2007 was 168,000 t, which was 8% lower than that of the first half of 2006.

U.S. trade data for May 2007 are published in this issue.

Ferroalloy Prices, manganese content

	High-carbon ferromanganese ¹ (dollars per gross ton)	Medium-carbon ferromanganese ¹ (cents per pound)	Silicomanganese ¹ (cents per pound)	Manganese metal ² (cents per pound)
June 7	1,500.00-1,700.00	98.00-110.00	100.00-120.00	285.00-310.00
June 14	1,700.00-1,850.00	110.00-125.00	100.00-120.00	305.00-320.00
June 21	1,700.00-1,850.00	110.00-125.00	100.00-120.00	290.00-300.00
June 28	1,700.00-1,850.00	110.00-125.00	100.00-120.00	240.00-275.00

Ore Prices, dollars per metric ton unit, manganese content³

	44% Manganese Ore ²	48% Manganese Ore ²
June 7	5.20-5.60	5.90-6.50
June 14	5.50-5.90	6.20-6.50
June 21	5.50-5.90	6.20-6.50
June 28	6.00-6.30	6.50-6.80

¹Source: Platts Metals Week, dealer import price.

²Source: Ryan's Notes, North American transaction price.

³To determine dollars per metric ton, multiply the manganese content percentage by the price.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE¹

(Metric tons, manganese content)²

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2006:						
May	7,140	46,300	53,400	40	609	648
January-May	90,200	207,000	297,000	261	5,810	6,070
2007:						
January	24,500	40,300	64,800	77	1,180	1,250
February	48,500	35,700	84,200	144	7,350	7,500
March	20,300	36,000	56,400	29	694	724
April	15,600	44,800	60,400	57	1,030	1,090
May	37,200	66,500	104,000	93	6,110	6,200
Total	146,000	223,000	370,000	400	16,400	16,800

¹Data rounded to no more than three significant digits; may not add to totals shown.

²As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

Source: U.S. Census Bureau.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN MAY 2007¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Australia	--	--	--	14,200	9,640	\$9,330,000
Canada	16	11	\$5,360	458	332	345,000
China	18	17	53,700	18	17	53,700
Georgia	13,000	9,570	13,400,000	15,300	11,100	15,500,000
Korea, Republic of	200	140	190,000	200	140	190,000
Macedonia	5,210	3,500	4,330,000	7,130	4,770	6,050,000
Mexico	55	36	79,200	5,060	3,300	3,740,000
Morocco	--	--	--	20	20	6,000
Norway	2,570	1,520	2,630,000	15,600	9,820	15,500,000
Romania	--	--	--	14,100	9,630	11,200,000
Russia	344	239	323,000	344	239	323,000
South Africa	24,400	16,300	18,900,000	72,400	48,200	52,800,000
Total	45,800	31,300	40,000,000	145,000	97,200	115,000,000

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN MAY 2007¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	2,490	2,040	\$3,100,000	14,000	11,700	\$17,000,000
Korea, Republic of	--	--	--	2,000	1,600	2,230,000
Mexico	--	--	--	2,620	2,120	2,840,000
Russia	--	--	--	60	50	189,000
South Africa	--	--	--	5,400	4,410	4,990,000
Total	2,490	2,040	3,100,000	24,100	19,900	27,200,000
Medium carbon, 1%-2% C:						
China	1,450	1,170	1,650,000	5,530	4,450	5,800,000
Japan	--	--	--	1,700	1,450	1,990,000
Korea, Republic of	--	--	--	2,500	2,030	2,590,000
Mexico	94	71	144,000	3,270	2,610	2,950,000
South Africa	1,910	1,540	2,340,000	9,600	7,780	11,200,000
Spain	20	16	33,900	20	16	33,900
Total	3,470	2,800	4,170,000	22,600	18,300	24,500,000
High carbon:						
Australia	--	--	--	503	384	312,000
Brazil	511	396	372,000	1,020	797	744,000
China	5,000	3,790	3,870,000	18,400	14,000	13,700,000
Egypt	--	--	--	1,470	1,100	1,440,000
France	--	--	--	1,300	1,050	970,000
Georgia	2,010	1,580	1,910,000	2,010	1,580	1,910,000
Mexico	20	16	29,900	20	16	29,900
South Africa	27,700	21,400	21,700,000	71,400	55,300	53,300,000
Total	35,200	27,100	27,900,000	96,100	74,200	72,300,000
Grand total	41,200	32,000	35,100,000	143,000	112,000	124,000,000

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN MAY 2007^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	Year to date		
				Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese:						
Australia	--	--	--	27,500	12,500	\$2,940,000
China	--	--	--	423	91	18,600
Gabon	24,500	10,600	\$2,400,000	31,200	13,500	2,830,000
Mexico	3,110	1,120	367,000	3,110	1,120	367,000
South Africa	40,900	17,800	2,580,000	41,800	18,200	2,630,000
Total	68,500	29,500	5,340,000	104,000	45,400	8,780,000
47% or more manganese:						
Australia	--	--	--	16,500	8,720	2,530,000
Brazil	2,900	1,450	174,000	13,200	6,720	1,370,000
China	2,180	1,100	166,000	3,700	2,180	418,000
Gabon	6,800	3,540	944,000	87,700	57,200	9,780,000
South Africa	10	10	26,800	35,700	17,700	3,280,000
Total	11,900	6,100	1,310,000	157,000	92,600	17,400,000
Grand total	80,400	35,600	6,650,000	261,000	138,000	26,200,000

-- Zero.

¹Quantities for general imports and imports for consumption are identical.

²Data rounded to no more than three significant digits; may not add to totals shown.

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN MAY 2007

(Metric tons, gross weight)

Source	Quantity	Customs value ²	Year to date	
			Quantity	Customs value ²
Australia	1,150	\$1,590,000	7,290	\$9,940,000
Belgium	86	181,000	179	464,000
Brazil	17	29,400	43	50,400
China	740	765,000	4,680	4,890,000
Colombia	40	15,300	44	22,900
Germany	38	65,400	42	98,800
Japan	607	849,000	1,380	1,910,000
Mexico	--	--	13	9,240
Singapore	7	12,000	40	46,500
Total	2,680	3,510,000	13,700	17,400,000

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN MAY 2007¹

(Metric tons)

Source	Gross weight	Customs value ²	Year to date	
			Gross weight	Customs value ²
Unwrought flake:				
China	1,940	\$4,090,000	7,820	\$13,300,000
South Africa	95	190,000	837	1,580,000
Total	2,040	4,280,000	8,660	14,900,000
Unwrought powder:				
China	148	416,000	903	1,680,000
South Africa	433	854,000	1,970	3,600,000
Total	581	1,270,000	2,870	5,280,000
Unwrought, other:				
China	446	905,000	1,070	1,990,000
Germany	51	104,000	497	1,030,000
Russia	16	85,700	16	85,700
Spain	--	--	60	92,200
United Kingdom	11	51,900	11	51,900
Total	523	1,150,000	1,650	3,260,000
Other manganese, wrought:				
China	18	39,600	18	39,600
France	3	54,700	24	338,000
Japan	--	--	(3)	2,100
Mexico	--	--	114	225,000
Spain	--	--	50	127,000
Total	21	94,300	207	732,000
Grand total	3,160	6,790,000	13,400	24,100,000

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

³Less than ½ unit.

Note: Imports for consumption of metallic waste and scrap totaled 104 metric tons, all of which was from Canada, to give a year-to-date total of 525 metric tons.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE, SILICOMANGANESE,
AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN MAY 2007¹

(Metric tons, gross weight)

Country	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal ²	
	May	Year to date	May	Year to date	May	Year to date	May	Year to date
Argentina	--	--	--	--	--	--	--	3
Australia	--	--	--	--	--	1	1	1
Belgium	--	8	--	--	--	--	--	343
Brazil	--	--	--	--	--	--	--	1
Canada	76	254	71	1,980	287	1,660	1	6
Chile	--	--	--	--	--	--	--	8
China	--	--	--	--	--	--	64	89
Colombia	--	--	--	--	--	--	--	138
Germany	--	244	--	--	--	--	36	89
Hong Kong	--	--	--	--	--	--	--	136
India	--	--	--	--	--	--	16	73
Ireland	--	--	--	18	--	--	--	--
Israel	--	--	--	--	--	--	--	8
Japan	--	--	--	--	--	--	36	251
Korea, Republic of	30	64	--	--	--	--	--	1
Mexico	--	20	--	--	24	172	10	15
Sweden	--	--	--	--	--	--	10	26
Taiwan	--	--	--	--	--	--	--	65
United Kingdom	--	--	--	5	--	--	--	3
Vietnam	80	209	--	--	--	--	--	--
Total	186	800	71	2,000	311	1,840	175	1,260

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 7,180 metric tons, of which 7,030 metric tons went to Mexico, 41 metric tons went to Canada, 71 metric tons went to Malaysia, and 38 metric tons went to Brazil, to give a year-to-date total of 15,600 metric tons.

Source: U.S. Census Bureau.

TABLE 8
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN MAY 2007, BY CLASS¹

Class	Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)	Year to date		
				Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)
Imports for consumption:						
Manganese oxides other than dioxide	836	\$454	Mexico 399; \$177	2,160	\$1,380	Mexico 1,420; \$626
Manganites, manganates, and other permanganates	--	--	--	--	--	--
Potassium permanganate	150	349	Czech Republic 66; \$155	543	1,300	India 286; \$689
Sodium permanganate	--	--	--	82	129	China 82; \$129
Sulfates, basket category, including manganese sulfate	4,700	2,510	China 2,590; \$1,050	20,600	10,000	China 10,530; \$4,240
Exports:						
Manganese dioxide	676	694	Canada 296; \$168	3,660	3,830	Canada 1,610; \$891
Manganese oxides other than dioxide	1,630	957	Canada 1,360; \$508	6,340	4,380	Canada 3,840; \$1,510
Manganites, manganates, and other permanganates	17	41	Canada 17; \$41	46	114	Canada 37; \$86
Potassium permanganate	298	682	Belgium 174; \$304	1,100	2,490	Belgium 577; \$1,000
Sodium permanganate	173	607	Belgium 98; \$210	896	2,180	Spain 346; \$902
Sulfates, basket category, including manganese sulfate	2,280	1,580	Canada 1,720; \$778	11,100	8,920	Canada 7,010; \$4,190

-- Zero.

¹Data are rounded to no more than three significant digits.

²For imports, Customs value; for exports, free alongside ship value.